1019 Frequency Calibrator Serial API

PC User config Set or Get commands

User config is sent by the PC configuration software

Description	Send	Set/Get	Data	
Dat Name	[DNM]	S/G	Text 40	Not implemented
Dat Generator Freq	[DGF]	S/G	Text 12 (000000000000 to 999999999999)Centi Hertz	

PC Factory config Set or Get commands

Factory data is sent by the PC Factory configuration software

Description	Send	Set/Get	Data [8..]	
Factory Product model Number	[FPN]	G	Text 5 0-65534	1011=WSPR-TX_LP1, 1012=WSPR Desktop, 1017=WSPR Mini, **1019=Frequency calibrator**
Factory Hardware Version	[FHV]	G	Text 3 0-255	
Factory Hardware Revision	[FHR]	G	Text 3 0-255	
Factory Software Version	[FSV]	G	Text 3 0-255	
Factory Software Revision	[FSR]	G	Text 3 0-255	
Cmd FactoryConfig Store in EEPROM	[FSE]	S		

Arduino replies for Get commands

Replies from the Arduino in respons to a User config or Factory config Get query

Description	Return	Set/Get	Data	
Dat Name	{DNM}	S/G	Text 40	Not implemented
Dat Generator Freq	{DGF}	S/G	Text 12 (000000000000 to 999999999999)cHz	

Arduino Status update messages (Can be sent at anytime, they are not in respons to a get command query)

These messages are sent whenever the Arduino thinks it's appropriate

Description	Send	Data [8..]
GPS Time	{GTM}	Text 8 HH:MM:SS
GPS Lock	{GLC}	Text 1 T=True F=False
GPS SatInfo	{GSI}	Text 2+3+2+2 ID Az El SNR. Space between each data field
Transmitter Frequency	{TFQ}	Text 5-12 0-terminated deciHz
Transmitter On (RF Out active)	{TON}	Text 1 T=True F=False
Microcontroller Information	{MIN}	Text